

Jeffrey S. Moquin, Director Risk Management Department managing risk with responsibility

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**Signature on File** 

October 25, 2006

TO:	Ms. Christine Flynn, Principal
	Westglades Middle School

- FROM: Aston A. Henry, Jr., Supervisor Risk Management Department
- SUBJECT: Indoor Air Quality (IAQ) Assessment FISH 319 and 320

On October 4, 2006 I conducted an assessment of FISH 319 and 320 at **Westglades Middle School**. This evaluation included observations of the flooring system, ceiling tiles, false ceiling plenum, environmental surfaces, interior and exterior walls, and the accessible ventilation equipment. The detailed findings, along with the recommended corrective action can be found on the attached IAQ Assessment Worksheets.

The IAQ assessment did identify one or more existing conditions impacting IAQ and has generated appropriate work orders to correct deficiencies in systems and maintenance that could contribute to decreased indoor air quality. At the time of the assessment, these concerns were not an immediate health or safety concern to building occupants. However, due to individual sensitivities and predisposing health factors, it is possible that some building occupants may elicit a health response to agents and / or conditions identified during the evaluation. Therefore, to further improve IAQ, prevent development of future IAQ-related problems, and to reduce the potential for IAQ-related complaints by building occupants, the IAQ Assessment Team recommends appropriate follow up of each item identified and listed in the attached evaluation.

Should any questions arise, or if the current concerns continue after the attached recommendations have been addressed, please feel free to contact me at 754-321-3200.

C: Dr. Joanne Harrison, Area Superintendent
Craig Anderson, Area Director
Jeffrey S. Moquin, Director, Risk Management
Philip Kaufold, Project Manager, Facilities and Construction Management
Ruby Fitzgerald, Broward Teachers Union
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division
Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

AAH/tc Enc.

		IAQ Assessment			Location Number 3871			
Westglades Middle School					Evaluatio	on Requested	Septembe	er 29, 2006
Time of Day	9:30 am				E	valuation Date	Octobe	r 4, 2006
Outdoor Conditior	ıs Temp	perature 8	5.5	Relative Humidity	51.8	Ambie	nt CO2	336
Fish Tem	perature Ra	ange Relat	ive Humidity	Range	CO2	Ran	ige #	Occupants
319 & 320	65.2 <b>72</b>	- 78	68	30% - 60%	424	Max 700	> Ambient	2
Noticeable Odor	Yes		isible water age / staining	Visible micro g? growth?		Amount of mat affected	terial	
Ceiling Type	Drywall		No	Yes		Ent	ire Ceiling	
Wall Type	Wall Type     Drywall/Tile		No		Ľ	None		
Flooring	Tile		No	No	[		None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correct	tive Action Re	quired	
Ceiling	Νο	Yes	Yes		Clean	and paint cei	ling	
Walls	Yes	No	No					
Flooring	Yes	Νο	No					
HVAC Supply Gril	lls Yes	Νο	No					
HVAC Return Gril	Is Yes	Νο	No					
Ceiling at Supply Grills	Yes	No	No					
Surfaces in Room	Yes	No	No					

# Observations

## Findings:

Visible microbial growth on ceilings in both rooms (FISH 319 and 320). Unable to inspect ceiling plenum due to no access.
Temperature was low and humidty was elevated in both rooms which is creating condensation and contributing to microbial growth. HFSP advised that they cannot adjust the temperature.

#### Recommendations:

### Site Based Maintenance:

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

#### Physical Plant Operations:

- Evaluate ceiling plenum in both rooms for leaks and/or condensation forming on pipes and repair as appropriate

- Clean ceiling in both rooms and paint
- Adjust the thermostat to increase the temperature and lower the humidity level